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AMENDMENTS TO THE CLAIMS

1 (currently amended): A substrate body-floating apparatus for blowing an ~~air flow~~ gas flow onto a rear surface of a ~~disk-shaped substrate body~~ substrate body to float and rotate the substrate body comprising:

5 a floating unit having a surface with a plurality of fine floating pores configured for floating the substrate body, a plurality of fine centering pores configured for centering the substrate body at a center of a substrate body-floating apparatus, a plurality of fine rotational pores configured for rotating the  
10 substrate body at a center of said apparatus, and a plurality of auxiliary fine suppression pores configured for suppressing vibration of the substrate body when the substrate body is rotated at a high speed, each pore type of said fine floating pores, said fine centering pores, said fine rotational pores, and said  
15 auxiliary fine suppression pores having a relative positioning and a directionality associated therewith, the relative positioning and the directionality of a particular pore type being unique to that said particular pore type with respect to others of said pore types, the relative positioning and the directionality associated  
20 with a given said pore type determining the direction of gas emission therethrough, wherein all pore types of said fine floating pores, said fine centering pores, said fine rotational pores, and said auxiliary fine suppression pores are provided on a

AMENDMENTS TO THE CLAIMS

surface of said floating unit and are inclined against the surface  
25 of said floating unit, each of said pores having an inclination  
associated therewith, an ~~air flow~~ gas flow being injected into  
each of said all pore types pores in a direction of the  
inclination thereof.

2 (canceled)

3 (currently amended): The substrate body-floating apparatus  
according to claim 1 wherein ~~said plurality of fine floating pores~~  
~~configured for floating the substrate body crosses a rotation axis~~  
~~of the substrate body, a~~ a surface of said floating unit ~~being~~ is

5 divided into four quadrants, a plurality of said fine floating  
C1 pores being provided in each quadrant, each of said fine floating  
~~pore pores~~ within a given one of said quadrant quadrants having a  
same floating pore direction <sup>of gas emission</sup> as each of the other said fine

10 floating pores located in said given one of said quadrants, said  
same floating pore direction <sup>of gas emission having a vector component that is substantially</sup> ~~being~~ parallel to a diagonal line of  
said given one of said quadrant quadrants, said diagonal line  
<sup>substantially directed</sup> being oriented to a center of said floating unit.

112 OK  
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on  
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of  
thus a  
5 4 (currently amended): The substrate body-floating apparatus  
according to claim 1 wherein said plurality of fine centering  
pores configured for centering are located ~~one of~~ at positions  
that are one of on an outer periphery of the substrate body and on  
an outer side from the outer periphery, each of said fine

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centering ~~pore~~ pores being angularly displaced, relative to a  
center of said floating unit, from each adjacent said fine  
centering pore, said plurality of fine centering pores each having  
a fine centering pore ~~orientation~~ direction associated therewith,  
10 each said fine centering pore ~~orientation~~ direction being ~~directed~~  
oriented toward a toward said center of said floating unit.

5 (currently amended): The substrate body-floating apparatus  
according to claim 1 wherein said plurality of fine rotational  
pores are located at positions on a circle with a radius smaller  
than the radius of the substrate body and centered around a center  
of a surface of said floating unit, <sup>wherein</sup> ~~said~~ adjacent fine rotational  
pores <sup>located on the same side of said center</sup> ~~being~~ directed away from one another in substantially  
C1 opposite tangential directions, said substantially opposite  
directions being approximately tangential to said circle.

6 (currently amended): The substrate body-floating apparatus  
according to claim 1 where said plurality of auxiliary fine  
suppression pores each have an auxiliary fine suppression pore  
~~orientation~~ direction, each said auxiliary fine suppression pore  
5 ~~orientation~~ direction being ~~directed~~ oriented toward a center of  
said floating unit, each said ~~fine~~ auxiliary fine suppression pore  
being located on a periphery of a circle extending beyond the  
position of said plurality of fine rotational pores, said circle  
being concentric with a center of said floating unit, said

AMENDMENTS TO THE CLAIMS

10     auxiliary fine suppression pore ~~orientations~~ directions for a set  
of adjacent said auxiliary fine suppression pores being angled at  
90 degrees relative to one another.

7 (currently amended): A substrate body-floating type of  
heater comprising:

5     a floating means for applying air to a rear surface of a  
substrate body to float, rotate and suppress vibration to the  
substrate body, said floating means including a plurality of  
floatation pores, a plurality of rotational pores, and a plurality  
C1 of vibration suppression pores therein, said floatation pores, said  
rotational pores, and said vibration suppression pores being  
positioned and directed so as to promote one of floatation,  
10 rotation, and vibration suppression, respectively, via ~~air flow~~  
gas flow control, the relative positioning and the directionality  
associated with a particular pore type being unique to that said  
particular pore type with respect to others of said pore types;  
and

15     an optical lamp for heating a surface of the substrate body.

8 (currently amended): A substrate body-floating type of  
film-forming apparatus comprising:

5     a floating means for applying gas to a rear surface of a  
substrate body to float, rotate and suppress vibration to the  
substrate body under atmospheric or under depressurized conditions

### AMENDMENTS TO THE CLAIMS

for forming a film of deposited material on a surface of the substrate body, said floating means including a plurality of floatation pores, a plurality of rotational pores, and a plurality of vibration suppression pores therein, said floatation pores, said rotational pores, and said suppression pores each being positioned and directed so as to promote one of floatation, rotation, and vibration suppression, respectively, via ~~air-flow~~ gas flow control, the relative positioning and the directionality associated with a particular pore type being unique to that said particular pore type with respect to others of said pore types.

9 (currently amended): The substrate body-floating type of film-forming apparatus according to claim 8, further comprising ~~where an internal diameter of a nozzle for blowing gas for film formation onto a surface of the substrate body,~~ said nozzle having a nozzle internal diameter, said nozzle internal diameter and an external diameter of the substrate body are set to substantially the same values and a clearance between a tip of the nozzle for blowing the gas and a surface of the substrate body is set to 2 mm or less.

10 (new): A substrate body-floating apparatus according to claim 1 wherein all of said auxiliary fine suppression pores are located outer of ~~the~~ said centering pores and said rotational pores.